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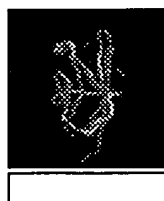
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☒ 1A22*Characteristics**Classification**Compound**Authors***HUMAN GROWTH HORMONE BOUND TO SINGLE RECEPTOR****Release Date:** 29-Apr-1998 **Exp. Method:** X Ray Diffraction**Resolution:** 2.60 Å**Complex (hormone/receptor)****Mol. Id: 1** **Molecule:** Growth Hormone **Mutation:** G120R **M****Id: 2** **Molecule:** Growth Hormone Receptor **Fragment:** Extra-  
Domain**Clackson, T., Ultsch, M.H., Wells, J.A., de Vos, A.**

1 2 3 4 5 .. 12

☒ 1HWH*Characteristics**Classification**Compound**Authors***1:1 COMPLEX OF HUMAN GROWTH HORMONE MUTANT G120R WITH ITS SOLUBLE BINDING PROTEIN****Release Date:** 19-Nov-1997 **Exp. Method:** X Ray Diffraction**Resolution:** 2.90 Å**Complex (hormone/receptor)****Mol. Id: 1** **Molecule:** Growth Hormone **Mutation:** G120R **M****Id: 2** **Molecule:** Growth Hormone Binding Protein**Fragment:** Extracellular Domain**Sundstrom, M., Lundqvist, T., Rodin, J., Giebel, L.B., Milligan, D., Norstedt, G.**☒ 3HHR*Characteristics**Classification**Compound**Authors***HUMAN GROWTH HORMONE AND EXTRACELLULAR DOMAIN OF ITS RECEPTOR: CRYSTAL STRUCTURE OF THE COMPLEX****Release Date:** 30-Apr-1994 **Exp. Method:** X Ray Diffraction**Resolution:** 2.80 Å**Hormone/receptor****Mol. Id: 1** **Molecule:** Human Growth Hormone **Mol. Id: 2****Molecule:** Human Growth Hormone Receptor (hghbp) **Mol. Id:****Molecule:** Human Growth Hormone Receptor**de Vos, A.M., Ultsch, M., Kossiakoff, A.A.**☒ 1HZN*Characteristics*  
*Classification**Compound**Authors***NMR SOLUTION STRUCTURE OF THE THIRD EXTRACELLULAR LOOP OF THE CHOLECYSTOKININ A RECEPTOR****Release Date:** 25-Apr-2001 **Exp. Method:** NMR**Hormone/growth Factor****Mol. Id: 1** **Molecule:** Cholecystokinin Type a Receptor**Fragment:** Residues 329 357**Giragossian, C., Mierke, D.F.**☒ 1L4T*Characteristics***SOLUTION NMR STRUCTURE OF THE CCK2E3****Release Date:** 28-Jan-2003 **Exp. Method:** NMR Minimized Av

**Classification****Hormone/growth Factor Receptor****Compound****Mol. Id: 1 Molecule:** Gastrin/cholecystokinin Type B Receptor**Authors****Fragment:** Extracellular Domain Residues 352 379**Giragossian, C., Mierke, D.F.**☒ **1N9D****SOLUTION STRUCTURE OF HUMAN PROLACTIN****Characteristics****Release Date:** 06-May-2003 **Exp. Method:** NMR 2D Structure**Classification****Hormone/growth Factor****Compound****Mol. Id: 1 Molecule:** Prolactin**Authors****Keeler, C., Dannies, P.S., Hodsdon, M.E.**☒ **1BP3****THE XRAY STRUCTURE OF A GROWTH HORMONE-PROLACTIN RECEPTOR COMPLEX****Characteristics****Release Date:** 19-Aug-1998 **Exp. Method:** X Ray Diffraction**Classification****Hormone/growth Factor****Compound****Mol. Id: 1 Molecule:** Protein (growth Hormone) **Mutation:** G**Mol. Id: 2 Molecule:** Protein (prolactin Receptor)**Authors****Somers, W., Ultsch, M., De Vos, A.M., Kossiakoff,**☒ **1AXI****STRUCTURAL PLASTICITY AT THE HGH:HGHBP INTERFACE****Characteristics****Release Date:** 28-Jan-1998 **Exp. Method:** X Ray Diffraction**Classification****Resolution:** 2.10 Å**Complex (hormone/receptor)****Compound****Mol. Id: 1 Molecule:** Growth Hormone **Mutation:** G120R, K1**D171T, K172Y, E174A, F176Y Mol. Id: 2 Molecule:** Growth**Hormone Receptor Fragment:** Extracellular Binding Domain**Mutation:** W104A**Authors****Atwell, S., Ultsch, M., De Vos, A.M., Wells, J.A.**☒ **1HWG****1:2 COMPLEX OF HUMAN GROWTH HORMONE WITH ITS SOLUBLE BINDING PROTEIN****Characteristics****Release Date:** 19-Nov-1997 **Exp. Method:** X Ray Diffraction**Classification****Resolution:** 2.50 Å**Complex (hormone/receptor)****Compound****Mol. Id: 1 Molecule:** Growth Hormone **Mol. Id: 2****Molecule:** Growth Hormone Binding Protein **Fragment:** Extracellular Domain**Authors****Sundstrom, M., Lundqvist, T., Rodin, J., Giebel, L.B., Milligan, D., Norstedt, G.**☒ **1QSZ****THE VEGF-BINDING DOMAIN OF FLT-1 (MINIMIZED MEAN)****Characteristics****Release Date:** 10-Nov-1999 **Exp. Method:** NMR Minimized A'**Classification****Hormone/growth Factor Receptor****Compound****Mol. Id: 1 Molecule:** Vascular Endothelial Growth Factor Receptor**Authors****Fragment:** Second Extracellular Immunoglobulin Like Domain**Starovasnik, M.A., Christinger, H.W., Wiesmann, M.A., de Vos, A.M., Skelton, N.J.**

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	566	sundstrom.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 07:48
L2	14	L1 and crystal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 07:50
L3	37	Norstedt.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 07:50
L4	5	L3 and crystal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 07:50
L5	1580395	((crystal) or (xtal) or (3D) or (xray) or (x-ray) or (NMR) or crystallization)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 08:50
L6	1580224	((crystal) or (xtal) or (3D) or (xray) or (x-ray) or (NMR) or crystallization)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 08:49
L7	1183547	((crystal) or (xtal) or (crystallization))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:14
L8	259231	L7 same methods	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 08:53
L9	31829	L7 same method.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 08:53
L10	291656	L7 and method.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:11
L11	2072	(530/399).CCLS.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/03/02 10:11

## EAST Search History

L12	423	L11 and L7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:12
L13	152	L12 and "human growth hormone"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:14
L14	26	L12 and "human growth hormone receptor"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:13
L15	5	L12 and "human growth hormone receptor".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:12
L16	41	L12 and "human growth hormone".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:14
L17	103294	((crystal) or (xtal) or (crystallization)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:14
L18	20	L17 and L11	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:14
L19	1512680	((crystal) or (xtal) or (3D) or (xray) or (x-ray) or (NMR))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:22
L20	296	L19 and "cytokine receptor protein"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:23
L21	12	L19 and "cytokine receptor protein".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:24
L22	247	L19 and "cytokine receptor".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:24
L23	9	L19.clm. and "cytokine receptor".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:25

## EAST Search History

L24	24	L19.clm. and "IL-2".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:26
L25	12	L19.clm. and "IL-3".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:27
L26	14	L19.clm. and "IL-4".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:28
L27	3	L7.clm. and "IL-5".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:28
L28	10	L7.clm. and "IL-6".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:36
L29	3	L7.clm. and "IL-7".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:37
L30	0	L7.clm. and "IL-9".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:37
L31	3	L7.clm. and "IL-11".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:37
L32	7	L7.clm. and "IL-12".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:38
L33	2	L7.clm. and "IL-15".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:38
L34	5	L7.clm. and "EPO".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:38
L35	3	L7.clm. and "G-CSF".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:46

## EAST Search History

L36	3	L7.clm. and "GM-CSF".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:50
L37	37	L7.clm. and "OM".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:51
L38	1	L7.clm. and "CT-1".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:51
L39	0	L7.clm. and "CNTF".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:52
L40	6	L7.clm. and "TPO".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:52
S4	1509114	((crystal) or (xtal) or (3D) or (xray) or (x-ray) or (NMR))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:22
S5	1510254	((crystal) or (xtal) or (3D) or (xray) or (x-ray) or (NMR))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/24 10:45
S6	318	S5 and "human growth hormone receptor"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/24 10:46
S7	16	S5 and "human growth hormone receptor".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/24 10:51
S8	2	("6891025").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/02/24 10:51

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NEW FILES RELEASED

\*\*\*Regulatory Affairs Journals (File 183)

\*\*\*Index Chemicus (File 302)

\*\*\*Inspec (File 202)

\*\*\*Physical Education Index (File 138)

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\*\*\* The 2005 reload of the CLAIMS files (Files 340, 341, 942)  
is now available online.

RESUMED UPDATING

\*\*\*EDGARPLUS(TM)-Williams Act Filings (File 773)

\*\*\*EDGARPLUS(TM)-Prospectuses (File 774)

\*\*\*EDGARPLUS(TM)-Registration Statements (File 775)

\*\*\*EDGARPLUS(TM)-6K, 8K, and 10C Filings (File 776)

\*\*\*EDGARPLUS(TM)-10-K & 20F Filings (File 778)

\*\*\*EDGARPLUS(TM)-10-Q Filings (File 779)

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\*\*\*ERIC (File 1)

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Chemical Structure Searching now available in Prous Science Drug  
Data Report (F452), Prous Science Drugs of the Future (F453),  
IMS R&D Focus (F445/955), Pharmaprojects (F128/928), Beilstein  
Facts (F390), Derwent Chemistry Resource (F355) and Index Chemicus  
(File 302).

\*\*\*

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>>> 44 is unauthorized

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\$0.00 0.211 DialUnits FileHomeBase

\$0.00 Estimated cost FileHomeBase

\$0.14 TELNET

\$0.14 Estimated cost this search

\$0.14 Estimated total session cost 0.211 DialUnits

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 (c) 2006 CSA.  
 File 143:Biol. & Agric. Index 1983-2006/Feb  
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 File 144:Pascal 1973-2006/Feb W1  
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 File 467:ExtraMED(tm) 2000/Dec  
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 File 399:CA SEARCH(R) 1967-2006/UD=14410  
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 IPCR/8 classification codes now searchable as IC=. See HELP NEWSIPCR.

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? s au=((sundstrom M?) or (Sundstrom, M.) or (Sundstrom, M?) or (Sundstrom M.))

128 AU=SUNDSTROM M?

8 AU=SUNDSTROM, M.

38 AU=SUNDSTROM, M?

37 AU=SUNDSTROM M.

S1 166 AU=((SUNDSTROM M?) OR (SUNDSTROM, M.) OR (SUNDSTROM, M?)  
OR (SUNDSTROM M.))

? s s1 and (growth hormone)

166 S1

103549 GROWTH HORMONE

S2 5 S1 AND (GROWTH HORMONE)

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3/3/1 (Item 1 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

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11645782 PMID: 8943276

**Crystal structure of an antagonist mutant of human growth hormone, G120R, in complex with its receptor at 2.9 A resolution.**

**Sundstrom M** ; Lundqvist T; Rodin J; Giebel L B; Milligan D; Norstedt G  
Department of Structural Biochemistry, Pharmacia and Upjohn, Preclinical  
Research and Development, S-112 87 Stockholm, Sweden.  
michael.sundstrom@sto.pharmacia.se

Journal of biological chemistry (UNITED STATES) Dec 13 1996, 271 (50)  
p32197-203, ISSN 0021-9258 Journal Code: 2985121R

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

3/3/2 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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0011082092 BIOSIS NO.: 199799716152

**Stimulation of kinase cascades by growth hormone: A paradigm for cytokine signaling**

**BOOK TITLE: Progress in Nucleic Acid Research and Molecular Biology**

**AUTHOR:** Wood Timothy J J (Reprint); Haldosen Lars-Arne; Sliva Daniel;

**Sundstrom Michael** ; Norstedt Gunnar

**BOOK AUTHOR/EDITOR:** Moldave K (Editor)

**AUTHOR ADDRESS:** Dep. Cell Biol., Pharmacia UpJohn, 112 87 Stockholm, Sweden  
\*\*Sweden

**SERIES TITLE:** Progress in Nucleic Acid Research and Molecular Biology 57 p  
73-94 1997

**BOOK PUBLISHER:** Academic Press, Inc., 1250 Sixth Ave., San Diego,  
California 92101, USA

Academic Press Ltd., 14 Belgrave Square, 24-28 Oval Road,  
London NW1 7OX, England, UK

ISSN: 0079-6603 ISBN: 0-12-540057-8  
DOCUMENT TYPE: Book Chapter; Literature Review  
RECORD TYPE: Citation  
LANGUAGE: English

**3/3/3 (Item 1 from file: 73)**  
DIALOG(R)File 73:EMBASE  
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06716533 EMBASE No: 1996381517

**Crystal structure of an antagonist mutant of human growth hormone, G120R, in complex with its receptor at 2.9 Angstrom resolution**

**Sundstrom M. ; Lundqvist T.; Rodin J.; Giebel L.B.; Milligan D.; Norstedt G.**  
Dept. of Structural Biochemistry, Pharmacia and Upjohn, Preclinical R and D, Nordenflychtsvagen 62:6,S-112 87 Stockholm Sweden  
Journal of Biological Chemistry ( J. BIOL. CHEM. ) (United States) 1996 , 271/50 (32197-32203)  
CODEN: JBCHA ISSN: 0021-9258  
DOCUMENT TYPE: Journal; Article  
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

**3/3/4 (Item 2 from file: 73)**  
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06185574 EMBASE No: 1995215211

**Protein crystallography as a tool for studying the three-dimensional structure and function of the human growth hormone-receptor complex**

**Lundqvist T.; Sundstrom M.**  
Department Structural Biochemistry, Biopharmaceuticals, Pharmacia AB,S-112 87 Stockholm Sweden  
Endocrinology and Metabolism, Supplement ( ENDOCRINOL. METAB. SUPPL. ) ( United Kingdom) 1995, 2/B (47-52)  
CODEN: EMESF ISSN: 1074-939X  
DOCUMENT TYPE: Journal; Conference Paper  
LANGUAGE: ENGLISH  
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**3/9/4 (Item 2 from file: 73)**  
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**Protein crystallography as a tool for studying the three-dimensional structure and function of the human growth hormone-receptor complex**

**Lundqvist T.; Sundstrom M.**  
Department Structural Biochemistry, Biopharmaceuticals, Pharmacia AB,S-112 87 Stockholm Sweden  
Endocrinology and Metabolism, Supplement ( ENDOCRINOL. METAB. SUPPL. ) ( United Kingdom) 1995, 2/B (47-52)  
CODEN: EMESF ISSN: 1074-939X  
DOCUMENT TYPE: Journal; Conference Paper  
LANGUAGE: ENGLISH  
DRUG DESCRIPTORS:  
\*growth hormone receptor

growth hormone --pharmacology--pd  
MEDICAL DESCRIPTORS:  
\*crystallography  
conference paper; controlled study; human; molecular biology; priority  
journal; receptor binding  
CAS REGISTRY NO.: 36992-73-1, 37267-05-3, 66419-50-9, 9002-72-6 ( growth  
hormone )

SECTION HEADINGS:  
003 Endocrinology  
029 Clinical and Experimental Biochemistry  
037 Drug Literature Index

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S2	5	S1 AND (GROWTH HORMONE)
S3	4	RD (unique items)

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\* \* \*

>>> 44 is unauthorized  
>>> 76 is unauthorized  
>>>2 of the specified files are not available

SYSTEM:OS - DIALOG OneSearch

File 155:MEDLINE(R) 1951-2006/Mar 01

(c) format only 2006 Dialog

\*File 155: Medline has resumed updating.

File 5:Biosis Previews(R) 1969-2006/Feb W4

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File 24:CSA Life Sciences Abstracts 1966-2006/Jan

(c) 2006 CSA.

File 28:Oceanic Abstracts 1966-2006/Jan

(c) 2006 CSA.

File 34:SciSearch(R) Cited Ref Sci 1990-2006/Feb W3

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File 35:Dissertation Abs Online 1861-2006/Feb

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(c) 2006 CAB International

File 65:Inside Conferences 1993-2006/Mar 01  
(c) 2006 BLDSC all rts. reserv.

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(c) 2006 Elsevier Science B.V.

File 73:EMBASE 1974-2006/Mar 02  
(c) 2006 Elsevier Science B.V.

File 91:MANTIS(TM) 1880-2006/Feb  
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File 94:JICST-EPlus 1985-2006/Dec W1  
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File 98:General Sci Abs 1984-2004/Dec  
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File 110:WasteInfo 1974-2002/Jul  
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\*File 110: This file is closed (no updates)

File 135:NewsRx Weekly Reports 1995-2006/Feb W3  
(c) 2006 NewsRx

\*File 135: Please see HELP NEWS135 for information on select journal titles.

File 136:BioEngineering Abstracts 1966-2006/Jan  
(c) 2006 CSA.

File 143:Biol. & Agric. Index 1983-2006/Feb  
(c) 2006 The HW Wilson Co

File 144:Pascal 1973-2006/Feb W1  
(c) 2006 INIST/CNRS

File 164:Allied & Complementary Medicine 1984-2006/Mar  
(c) 2006 BLHCIS

File 172:EMBASE Alert 2006/Mar 02  
(c) 2006 Elsevier Science B.V.

File 185:Zoological Record Online(R) 1978-2006/Mar  
(c) 2006 BIOSIS

File 357:Derwent Biotech Res. \_1982-2006/Feb W4  
(c) 2006 Thomson Derwent & ISI

File 369:New Scientist 1994-2006/Aug W4  
(c) 2006 Reed Business Information Ltd.

File 370:Science 1996-1999/Jul W3  
(c) 1999 AAAS

\*File 370: This file is closed (no updates). Use File 47 for more current information.

File 391:Beilstein Reactions 2005/Q3  
(c) 2005 Beilstein GmbH

File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 1998 Inst for Sci Info

File 467:ExtraMED(tm) 2000/Dec  
(c) 2001 Informania Ltd.

\*File 467: F467 will close on February 1, 2006. 7.

File 399:CA SEARCH(R) 1967-2006/UD=14410  
(c) 2006 American Chemical Society

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IPCR/8 classification codes now searchable as IC=. See HELP NEWSIPCR.

Set Items Description

Cost is in DialUnits

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Terminal set to DLINK

? b 155 biosci 399

>>> 44 is unauthorized

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>>>          76 is unauthorized
>>>2 of the specified files are not available
02mar06 08:20:16 User276629 Session D206.3
$0.02      0.005 DialUnits File155
$0.02 Estimated cost File155
$0.03      0.005 DialUnits File5
$0.03 Estimated cost File5
$0.03      0.005 DialUnits File24
$0.03 Estimated cost File24
$0.03      0.005 DialUnits File28
$0.03 Estimated cost File28
$0.12      0.005 DialUnits File34
$0.12 Estimated cost File34
$0.02      0.005 DialUnits File35
$0.02 Estimated cost File35
$0.04      0.005 DialUnits File40
$0.04 Estimated cost File40
$0.03      0.005 DialUnits File41
$0.03 Estimated cost File41
$0.02      0.005 DialUnits File50
$0.02 Estimated cost File50
$0.02      0.005 DialUnits File65
$0.02 Estimated cost File65
$0.04      0.005 DialUnits File71
$0.04 Estimated cost File71
$0.06      0.005 DialUnits File73
$0.06 Estimated cost File73
$0.02      0.005 DialUnits File91
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$0.02      0.005 DialUnits File94
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$0.03      0.005 DialUnits File136
$0.03 Estimated cost File136
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$0.02      0.005 DialUnits File144
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$0.02      0.005 DialUnits File164
$0.02 Estimated cost File164
$0.06      0.005 DialUnits File172
$0.06 Estimated cost File172
$0.03      0.005 DialUnits File185
$0.03 Estimated cost File185
$0.11      0.005 DialUnits File357
$0.11 Estimated cost File357
$0.02      0.005 DialUnits File369
$0.02 Estimated cost File369
$0.02      0.005 DialUnits File370
$0.02 Estimated cost File370
$0.00      0.005 DialUnits File391
$0.00 Estimated cost File391
$0.12      0.005 DialUnits File434
$0.12 Estimated cost File434
$0.03      0.005 DialUnits File467

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\$0.03 Estimated cost File467  
\$0.06 0.005 DialUnits File399  
\$0.06 Estimated cost File399  
OneSearch, 30 files, 0.148 DialUnits FileOS  
\$0.05 TELNET  
\$1.16 Estimated cost this search  
\$1.16 Estimated total session cost 0.148 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 155:MEDLINE(R) 1951-2006/Mar 01

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File 28:Oceanic Abstracts 1966-2006/Jan

(c) 2006 CSA.

File 34:SciSearch(R) Cited Ref Sci 1990-2006/Feb W3

(c) 2006 Inst for Sci Info

File 35:Dissertation Abs Online 1861-2006/Feb

(c) 2006 ProQuest Info&Learning

File 40:Enviroline(R) 1975-2005/Dec

File 41:Pollution Abstracts 1966-2006/Jan

(c) 2006 CSA.

File 50:CAB Abstracts 1972-2006/Jan

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(c) 2006 BLDSC all rts. reserv.

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File 73:EMBASE 1974-2006/Mar 02

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File 91:MANTIS(TM) 1880-2006/Feb

2006 (c) Action Potential

File 94:JICST-EPlus 1985-2006/Dec W1

(c)2006 Japan Science and Tech Corp(JST)

File 98:General Sci Abs 1984-2004/Dec

(c) 2005 The HW Wilson Co.

File 110:WasteInfo 1974-2002/Jul

(c) 2002 AEA Techn Env.

**\*File 110: This file is closed (no updates)**

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(c) 2006 NewsRx

**\*File 135: Please see HELP NEWS135 for information on select journal titles.**

File 136:BioEngineering Abstracts 1966-2006/Jan

(c) 2006 CSA.

File 143:Biol. & Agric. Index 1983-2006/Feb

(c) 2006 The HW Wilson Co

File 144:Pascal 1973-2006/Feb W1

(c) 2006 INIST/CNRS

File 164:Allied & Complementary Medicine 1984-2006/Mar

(c) 2006 BLHCIS

File 172:EMBASE Alert 2006/Mar 02

(c) 2006 Elsevier Science B.V.

File 185:Zoological Record Online(R) 1978-2006/Mar

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File 357:Derwent Biotech Res. \_1982-2006/Feb W4

(c) 2006 Thomson Derwent & ISI

File 369:New Scientist 1994-2006/Aug W4

(c) 2006 Reed Business Information Ltd.

File 370:Science 1996-1999/Jul W3

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**\*File 370: This file is closed (no updates). Use File 47 for more current information.**

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File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec

(c) 1998 Inst for Sci Info

File 467:ExtraMED(tm) 2000/Dec

(c) 2001 Informania Ltd.

**\*File 467: F467 will close on February 1, 2006.**

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File 399:CA SEARCH(R) 1967-2006/UD=14410

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IPCR/8 classification codes now searchable as IC=. See HELP NEWSIPCR.

Set Items Description

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? s dt=review

>>>One or more prefixes are unsupported

>>> or undefined in one or more files.

S1 2564728 DT=REVIEW

? s s1 and crystallization

2564728 S1

527244 CRYSTALLIZATION

S2 4967 S1 AND CRYSTALLIZATION

? s s1 and (crystallization near tips)

2564728 S1

0 CRYSTALLIZATION NEAR TIPS

S3 0 S1 AND (CRYSTALLIZATION NEAR TIPS)

? s 2 and tips

Sending Break...

?s s2 and (tips or tricks)

4967 S2

104518 TIPS

5066 TRICKS

S4 11 S2 AND (TIPS OR TRICKS)

? rd

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

S5 9 RD (unique items)

? s s5 and py<=1997

Processing

Processed 10 of 30 files ...

Processing

Processed 20 of 30 files ...

>>>One or more prefixes are unsupported

>>> or undefined in one or more files.

Processing

Processed 30 of 30 files ...

Completed processing all files

9 S5

89665648 PY<=1997



S6 3 S5 AND PY<=1997  
? t s6/medium/all

6/3/1 (Item 1 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 Inst for Sci Info. All rts. reserv.

06306793 Genuine Article#: YH165 No. References: 100  
**Title: Surface energetics from the transition from step-flow growth to two-dimensional nucleation in metal homoepitaxy**  
Author(s): Markov I (REPRINT)  
Corporate Source: BULGARIAN ACAD SCI, INST PHYS CHEM/BU-1113  
SOFIA//BULGARIA/ (REPRINT)  
Journal: PHYSICAL REVIEW B-CONDENSED MATTER, 1997 , V56, N19 (NOV 15), P 12544-12552  
ISSN: 0163-1829 Publication date: 19971115  
Publisher: AMER INST PHYSICS, CIRCULATION FULFILLMENT DIV, 500 SUNNYSIDE BLVD, WOODBURY, NY 11797-2999  
Language: English Document Type: REVIEW (ABSTRACT AVAILABLE)

6/3/2 (Item 2 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 Inst for Sci Info. All rts. reserv.

05513947 Genuine Article#: WD509 No. References: 122  
**Title: High-resolution scanning tunneling microscopy of fully hydrated ripple-phase bilayers**  
Author(s): Woodward JT; Zasadzinski JA (REPRINT)  
Corporate Source: UNIV CALIF SANTA BARBARA, DEPT CHEM ENGN/SANTA BARBARA//CA/93106 (REPRINT); UNIV CALIF SANTA BARBARA, DEPT CHEM ENGN/SANTA BARBARA//CA/93106; UNIV CALIF SANTA BARBARA, DEPT PHYS/SANTA BARBARA//CA/93106  
Journal: BIOPHYSICAL JOURNAL, 1997 , V72, N2,1 (FEB), P964-976  
ISSN: 0006-3495 Publication date: 19970200  
Publisher: BIOPHYSICAL SOCIETY, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3998  
Language: English Document Type: REVIEW (ABSTRACT AVAILABLE)

6/3/3 (Item 3 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 Inst for Sci Info. All rts. reserv.

01035668 Genuine Article#: FQ320 No. References: 67  
**Title: STABILITY AND SHAPES OF CELLULAR PROFILES IN DIRECTIONAL SOLIDIFICATION - EXPANSION AND MATCHING METHODS**  
Author(s): WEEKS JD; VANSARLOOS W; GRANT M  
Corporate Source: UNIV MARYLAND, INST PHYS SCI & TECHNOL/COLLEGE PK//MD/20742; AT&T BELL LABS/MURRAY HILL//NJ/07974; MCGILL UNIV, DEPT PHYS/MONTREAL H3A 2T8/QUEBEC/CANADA/  
Journal: JOURNAL OF CRYSTAL GROWTH, 1991 , V112, N1, P244-282  
Language: ENGLISH Document Type: REVIEW (Abstract Available)  
? s (protein crystallography)  
S7 953 (PROTEIN CRYSTALLOGRAPHY)  
? s s7 and crystallization  
953 S7  
527244 CRYSTALLIZATION

S8 223 S7 AND CRYSTALLIZATION  
 ? s s8 and (tips or tricks)  
 223 S8  
 104518 TIPS  
 5066 TRICKS  
 S9 0 S8 AND (TIPS OR TRICKS)  
 ? s s8 and methods  
 223 S8  
 10155721 METHODS  
 S10 49 S8 AND METHODS  
 ? rd

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

S11 47 RD (unique items)  
 ? s s11 and py<=1997  
 Processing  
 Processed 10 of 30 files ...  
 Processing  
 >>>One or more prefixes are unsupported  
 >>> or undefined in one or more files.  
 Processed 20 of 30 files ...  
 Processing  
 Completed processing all files  
 47 S11  
 89665648 PY<=1997  
 S12 7 S11 AND PY<=1997  
 ? t s12/medium/all

12/3/1 (Item 1 from file: 5)  
 DIALOG(R)File 5:Biosis Previews(R)  
 (c) 2006 BIOSIS. All rts. reserv.

0010011400 BIOSIS NO.: 199598479233

**Crystallographic and chromatographic methods for study of antibody light chains and other proteins**

**BOOK TITLE:** Methods in Molecular Biology; Antibody engineering protocols

**AUTHOR:** Schiffer Marianne; Stevens Fred J

**BOOK AUTHOR/EDITOR:** Paul S (Editor)

**AUTHOR ADDRESS:** Center Mechanistic Biol. Biotechnol., Argonne Natl. Lab.,  
 Argonne, IL, USA\*\*USA

**SERIES TITLE:** Methods in Molecular Biology 51 p83-98 1995

**BOOK PUBLISHER:** Humana Press Inc. {a}, Suite 808, 999 Riverview Drive,  
 Totowa, New Jersey 07512, USA

**ISSN:** 0097-0816 **ISBN:** 0-89603-275-2

**DOCUMENT TYPE:** Book; Book Chapter

**RECORD TYPE:** Citation

**LANGUAGE:** English

12/3/2 (Item 1 from file: 34)  
 DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
 (c) 2006 Inst for Sci Info. All rts. reserv.

03098927 Genuine Article#: NE640 No. References: 32

**Title:** CURRENT PROGRESS IN CRYSTALLOGRAPHIC STUDIES OF NEW LIPASES FROM  
 FILAMENTOUS FUNGI

**Author(s):** DEREWENDA U; SWENSON L; GREEN R; WEI Y; YAMAGUCHI S; JOERGER R;

HAAS MJ; DEREWENDA ZS  
Corporate Source: UNIV ALBERTA, DEPT BIOCHEM, MRC, PROT STRUCT & FUNCT  
GRP/EDMONTON T6G 2H7/AB/CANADA/; UNIV ALBERTA, DEPT BIOCHEM, MRC, PROT  
STRUCT & FUNCT GRP/EDMONTON T6G 2H7/AB/CANADA/; AMANO PHARMACEUT CO  
LTD, TSUKUBA RES LAB/TSUKUBA/IBARAKI/JAPAN/; USDA ARS, EASTERN REG RES  
CTR/PHILADELPHIA//PA/19118  
Journal: PROTEIN ENGINEERING, 1994, V7, N4 (APR), P551-557  
ISSN: 0269-2139  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

12/3/3 (Item 1 from file: 71)  
DIALOG(R) File 71: ELSEVIER BIOBASE  
(c) 2006 Elsevier Science B.V. All rts. reserv.

00501380 97000970  
**Crystal structure of the secretory form of membrane-associated human  
carbonic anhydrase IV at 2.8-Angstrom resolution**  
Stams T.; Nair S.K.; Okuyama T.; Waheed A.; Sly W.S.; Christianson D.W.  
ADDRESS: S.K. Nair, Laboratories of Molecular Biophysics, Rockefeller  
University, New York, NY 10021, United States  
Journal: Proceedings of the National Academy of Sciences of the United  
States of America, 93/24 (13589-13594), 1996, United States  
PUBLICATION DATE: 19960000  
CODEN: PNASA  
ISSN: 0027-8424  
DOCUMENT TYPE: Conference Paper  
LANGUAGES: English SUMMARY LANGUAGES: English

DESCRIPTORS:  
**protein crystallography**; zinc enzyme; carbon dioxide hydration

CLASSIFICATION CODE AND DESCRIPTION:  
82.2.3 - PROTEIN BIOCHEMISTRY / STRUCTURAL STUDIES / Protein  
**Crystallization** and Crystal Structures  
82.5.2 - PROTEIN BIOCHEMISTRY / GENERAL ENZYMOLOGY / Molecular Recognition  
(Specificity)

12/3/4 (Item 2 from file: 71)  
DIALOG(R) File 71: ELSEVIER BIOBASE  
(c) 2006 Elsevier Science B.V. All rts. reserv.

00413487 96107251  
**Crystal structure of Deltasup 9 stearyl-acyl carrier protein desaturase  
from castor seed and its relationship to other di-iron proteins**  
Lindqvist Y.; Huang W.; Schneider G.; Shanklin J.  
ADDRESS: Y. Lindqvist, Division of Structural Biology, Dept Medical  
Biochemistry Biophysics, Karolinska Institute, Doktorsringen 4,  
S-171 77 Stockholm, Sweden  
Journal: EMBO Journal, 15/16 (4081-4092), 1996, United Kingdom  
PUBLICATION DATE: 19960000  
CODEN: EMJOD  
ISSN: 0261-4189  
DOCUMENT TYPE: Article  
LANGUAGES: English SUMMARY LANGUAGES: English

DESCRIPTORS:  
Di-iron centre; Electron transfer; Fatty acid biosynthesis; **Protein**

## crystallography

### CLASSIFICATION CODE AND DESCRIPTION:

82.2.3 - PROTEIN BIOCHEMISTRY / STRUCTURAL STUDIES / Protein

**Crystallization** and Crystal Structures

82.12.6.2 - PROTEIN BIOCHEMISTRY / OTHER PROTEINS / Binding Proteins / Iron binding proteins

12/3/5 (Item 3 from file: 71)

DIALOG(R)File 71:ELSEVIER BIOBASE

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00370377 96035886

**Crystal structures of apolipoprotein(a) kringle IV37 free and complexed with 6-aminohexanoic acid and with p-aminomethyl benzoic acid: Existence of novel and expected binding modes**

Mikol V.; LoGrasso P.V.; Boettcher B.R.

ADDRESS: V. Mikol, Preclinical Research, Sandoz Pharma AG, CH-4002 Basel, Switzerland

Journal: Journal of Molecular Biology, 256/4 (751-761), 1996, United Kingdom

PUBLICATION DATE: 19960000

CODEN: JMOBA

ISSN: 0022-2836

DOCUMENT TYPE: Article

LANGUAGES: English SUMMARY LANGUAGES: English

### DESCRIPTORS:

Apolipoprotein(a); Kringle; **Protein crystallography**; Protein-ligand interactions

### CLASSIFICATION CODE AND DESCRIPTION:

82.2.3 - PROTEIN BIOCHEMISTRY / STRUCTURAL STUDIES / Protein

**Crystallization** and Crystal Structures

82.12.9 - PROTEIN BIOCHEMISTRY / OTHER PROTEINS / Lipoproteins

12/3/6 (Item 4 from file: 71)

DIALOG(R)File 71:ELSEVIER BIOBASE

(c) 2006 Elsevier Science B.V. All rts. reserv.

00323907 95150705

**Crystal structure of the SH2 domain from the adaptor protein SHC: A model for peptide binding based on X-ray and NMR data**

Mikol V.; Baumann G.; Zurini M.G.M.; Hommel U.

ADDRESS: V. Mikol, Preclinical Research, Sandoz Pharma AG, CH-4002 Basel, Switzerland

Journal: Journal of Molecular Biology, 254/1 (86-95), 1995, United Kingdom

PUBLICATION DATE: 19950000

CODEN: JMOBA

ISSN: 0022-2836

DOCUMENT TYPE: Article

LANGUAGES: English SUMMARY LANGUAGES: English

### DESCRIPTORS:

SH2 domain; **Protein crystallography**; SHC; NMR spectroscopy; Signal

transduction

CLASSIFICATION CODE AND DESCRIPTION:

82.2.3 - PROTEIN BIOCHEMISTRY / STRUCTURAL STUDIES / Protein

**Crystallization** and Crystal Structures

82.2.12.2 - PROTEIN BIOCHEMISTRY / STRUCTURAL STUDIES / Molecular

Recognition / Protein-protein interaction

82.2.5.1 - PROTEIN BIOCHEMISTRY / STRUCTURAL STUDIES / Structures from

Spectroscopic **Methods** / NMR

12/3/7 (Item 5 from file: 71)

DIALOG(R)File 71:ELSEVIER BIOBASE

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00279006

95094013

**Structure-assisted redesign of a protein-zinc-binding site with femtomolar affinity**

Ippolito J.A.; Baird Jr. T.T.; McGee S.A.; Christianson D.W.; Fierke C.A.

ADDRESS: D.W. Christianson, Department of Chemistry, University of  
Pennsylvania, Philadelphia, PA 19104-6323, United States

Journal: Proceedings of the National Academy of Sciences of the United  
States of America, 92/11 (5017-5021), 1995, United States

PUBLICATION DATE: 19950000

CODEN: PNASA

ISSN: 0027-8424

DOCUMENT TYPE: Article

LANGUAGES: English

SUMMARY LANGUAGES: English

DESCRIPTORS:

**protein crystallography** ; protein engineering; enzymology; metalloenzyme

CLASSIFICATION CODE AND DESCRIPTION:

82.3.1 - PROTEIN BIOCHEMISTRY / PROTEIN ENGINEERING / Design and

Theoretical Studies

82.2.12.6 - PROTEIN BIOCHEMISTRY / STRUCTURAL STUDIES / Molecular

Recognition / Protein-metal interaction

82.2.3 - PROTEIN BIOCHEMISTRY / STRUCTURAL STUDIES / Protein

**Crystallization** and Crystal Structures

?

PLEASE ENTER A COMMAND OR BE LOGGED OFF IN 5 MINUTES

?

TIMEOUT: Logged Off 03/02/06 08:42:10 by System

You are now logged off